
APPENDIX A
Underground Storage Tank Closure Report
ASR – July 2006



ADVANCED SITE RESTORATION, LLC
ENVIRONMENTAL SERVICES

Spill # 0601852
Underground Tank Closure Report
49-55 Dupont St., Brooklyn, New York 11222



Prepared on Behalf of:
49 Dupont Realty Corporation

Prepared By:
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July 2006

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1. Submittal Information

NYSDEC Spill Number
SPILL # 0601852

NYSDEC Case Manager:
Raphael Katani

Site Owner:
49 Dupont Realty Corporation

Location of Subject Property:
47-55 Dupont St.
Brooklyn N.Y. 11222

2. Scope of Project

This Underground Storage Tank Closure Report documents the results of the investigation and closure of seventeen (17) underground storage tanks (USTs) at the subject site. This investigation was conducted by Advanced Site Restoration, LLC (ASR), contracted by the 49 Dupont Realty Corp. to oversee the tank closure activities.

This report details the filling of underground storage tanks in accordance with New York State Department of Environmental Conservation (NYSDEC), Spill Prevention Operations Technology Series (SPOTS) Memo #14, Site Assessments at Bulk Storage Facilities (August 1994). The scope of this report includes the following:

- Review of the New York State regulatory agency records for the site and the immediate surrounding area;
- Collection of soil samples throughout the site and in close proximity of the underground storage tanks (UST's) for laboratory testing.
- Explanation of the means to close out the seventeen (17) UST's on site.
- Summary of the analytical findings respective to the NYSDEC TAGM 4046, Allowable Soil Concentrations.

3. General Site Data

Site Description: The subject site is New York City Tax Block is 2487 and the Tax Lots 1, 10, 12, 17, 18, 20, 21, 57, 72, and 78. The current owner since 1983, is the 49 Dupont Realty Corporation.

The subject site is a former manufacturing facility. The New York City Department of Finance Occupancy Code is "F-9, Factory Industrial." According to a Sanborn Map Report from Environmental Data Resources, industrial activity at the subject site dates as far back as 1887.

Historic use of the site has included manufacturing, office, storage, shipping and receiving. Specifically, the site has been a plastic manufacturing facility since approximately 1950. According to *FPM Group* who completed a Phase I Site Assessment for the subject site, the commercial uses prior to 1950 included a boiler shop for Logan Ironworks, two stable buildings, a gas and light fixture factory, a sheet metal works, a soap manufacturer, a water proofing manufacturer, and a scrap metal facility.

The North American Industry Classification System (NAICS) listing for the subject site is "Plastic Fitting and Plastic Manufacturing". The factory at the subject site was most recently used to manufacture vinyl sheeting. It had been used as such a facility for the greater part of the 20th Century. As of 2004, the factory ended its manufacturing operations. The subject site is currently being used by NuHart & Company to store vinyl products. The in-situ environmental remediation currently being performed by ASR began in May 2006. A full Phase II Site Investigation is currently underway as required for future redevelopment.

According to the United States Geological Survey (USGS) Brooklyn, New York 7.5 Minute Series Topographical Map, the Site is situated at an approximate elevation of 13 feet above mean sea level. The location of the Site is shown on the Site Location Map, Figure 1, Appendix A.

In September of 2004, a visual reconnaissance of the site was performed by *RTP Environmental Associates* (RTP) Suspicion of asbestos was reported throughout the site. Four (4) silos used to store poly vinyl chloric acid were observed on the west side of the property. RTP reported a drum storage area with drums containing petroleum products. Plasticizers were also found in several areas of the subject site in drums and in concrete lined piping trenches. Currently, all asbestos issues are being addressed by a licensed asbestos abatement company. The on-site contamination, including that of plasticizers is being fully delineated in preparation for environmental remediation.

There are a number of Underground Storage Tanks (USTs) at the subject site. Overall, the installation of UST's at the subject site had not been thoroughly documented. Perhaps this is due to the time frame and the multiple uses of the property. As a result, past environmental reports have not been consistent in terms of the number of tanks on site, their sizes, or their contents.

ASR field activities have confirmed the locations of these tanks, their sizes and their contents. Field activities include drilling, calculating the foam used to fill up the tanks, and fingerprint samples from within the tanks.

An EDR Report is attached as Appendix H.

A total of seventeen (17) tanks were found to be on site containing the following:

- Fuel oil
- Plasticizers
- Acetone
- Methyl tert butyl ketone

In July of 2006, ASR filed a CBS report with the NYSDEC, see Appendix B.

Surrounding Land Use: The surrounding use of the site is a mix of commercial, residential, manufacturing, and recreational. There are a number of mixed use lots with both residential and manufacturing. To the north of the site is a warehouse and a hardware store beyond which is an automotive lot (as seen in Appendix A, Figure 2-Aerial Photograph). To the east down Clay Street and Dupont Street are several multi-family residential units. To the south across Dupont Street there are apartments and more residential units. To the west is a New York City Park.

Sensitive Receptor Survey: Inside the facility at the subject site, numerous sewer vents can be seen on both the north and south sides. In addition there is the possibility that a bottom drain(s) is located beneath a series of pits at the subject site. This means that subsurface soils and groundwater may have been impacted by discharge from the facility. The East River is 200 meters to the west of the site. As mentioned in the Surrounding Land Use Section, there are residential units to the east and the south of the subject site. These residential units are directly adjacent to the site.

An EDR Report is Attached as Appendix H.

4.0 Regional Geology/Hydrogeology

The subject site is located in Brooklyn, New York. The elevation of the site, as presented on the United States Geologic Survey (USGS), Manhattan Quadrangle Map (1995), is approximately 13 feet above sea level (Figure 1, Appendix A). The subject site lies within an area classified as Urban Land. This soil type consists of urbanized areas where the majority of surface is covered with buildings, roads, driveways, parking lots, and other manmade structures.

A USGS Survey of Water Table Elevation concluded that the elevation of the water table at the subject site was approximately five (5) feet above Mean Sea Level. The direction of groundwater flow is most likely to the west-southwest.

5.0 Previous Investigations/Historical Review

The subject site is classified as a Small Quantity, RCRA Hazardous Waste Generator.

As previously mentioned, RTP Environmental Associates, Inc. of 400 Post Road, Westbury New York, conducted a Preliminary Phase I Site Assessment. The report mentioned issues such as the need to:

- Identify environmental concerns regarding the 10,000 gallon USTs
- Test the integrity of certain tanks
- Clean the inside of the building
- Get the building up to code with NYC Building Dept.
- Perform additional environmental investigations
- Identify the means of demolition and waste disposal

As stated in the Conclusion section of the RTP report, the main area of “potential environmental concern” within the property are the tanks and the piping/vent lines associated with them.

In addition to the aforementioned report, FPM Group of 909 Marconi Avenue, Ronkonkoma New York, conducted a Phase I Environmental Site Assessment in April 2005. This report was much more detailed than the previous. As in the RTP report, this more recent report identified several Areas of Concern. They include:

- UST's, both known and suspected
- Oil-Water Separator
- Sub grade pipe chaseways (trenches)
- Loading Dock Drain
- Drum Storage Area
- Printing Press Pits
- Asbestos
- Silos
- Freight Elevator
- Oil Stained Walls
- Groundwater and soil gas (site wide)

6.0 On Site Activities

As stated in the previous section, there are a number of environmental concerns associated with the subject site. ASR utilized all available resources including sub contractors specializing in certain areas of remediation to address these issues. The oil stained trenches with suspected hydrocarbon and plasticizers mentioned in previous reports were thoroughly addressed. ASR personnel shoveled out sludge, dirt, and product into 55 gallon DOT Ring Top Drums. These drums were sampled and can be seen in Appendix A- Figure 6- Photographs, along with the contaminated trenches. To address residual staining, ASR personnel applied the L-10, surfactant to the bottom of the trenches, shoveled, swept, and used squeegees to clean the trench bottom, walls, and oil/water separators. Please see Appendix A, Figure 6 –Photographs to view some of the drums and trenches.

All known tanks have been properly closed out as stated in Section 7.0 Underground Tank Closure Methodology, in more detail.

The known asbestos throughout the site will be abated by a licensed asbestos abatement company.

Removal of the boilers and silos will be performed by a licensed demolition company.

All waste was properly disposed of. Please see Section 9-Waste Disposal.

7.0 Underground Tank Closure Methodology

The following table is a list of all the tanks present at the subject site. All information is based on the best available data to the consultant, Advanced Site Restoration.

Table 1 - List of Tanks

TANK #	SIZE (gal)	CONTENT	BLOCK 2487, LOT:
1	10,000	#2 Fuel Oil	18
2	10,000	#2 Fuel Oil	20
3	1,500	#2 Fuel Oil	20
4	1,500	Methyl Tert Butyl Ketone	21
5	1,500	Acetone	21
6	6,000	DINP/DOP	72
7	6,000	DINP/DOP	72
8	10,000	711 (Diundecyl Phthalate)	78
9	10,000	711 (Diundecyl Phthalate)	78
10	5000	Extra Super Hecla Oil	1
11	5000	Extra Super Hecla Oil	1
12	5000	Extra Super Hecla Oil	1
13	5000	Extra Super Hecla Oil	1
14	10,000	DINP/DOP	1
15	6,000	DINP/DOP	1
16	6,000	Plasticizer	10
17	1,500	Plasticizer	1

*The MSDS sheets for these products are attached as Appendix D

The goal of the on site activities conducted by Advanced Site Restoration, on the USTs, was to get permanent closure of the tanks. In order to do so, the following steps had to be followed in accordance with Section 613.9, Part B, in the NYSDEC Petroleum Bulk Storage Regulations:

- I. "Liquid and sludge must be removed from the tank and the connecting lines. Any waste products removed must be disposed of in accordance with all applicable state and federal requirements."
- II. "The tank must be rendered free of petroleum vapors. Provisions must be made for natural breathing of the tank, to ensure that the tank remains vapor free."
- III. "All connecting lines must be disconnected and removed or securely capped or plugged. Manways must be securely fastened in place."
- IV. "Aboveground tanks must be stenciled with the date of permanent closure."
- V. "Underground Storage Tanks must either be filled with a solid inert material (such as sand or concrete slurry) or removed."
- VI. "Aboveground tanks must be protected from floatation in accordance with good engineering practice"

As a means to close out all if seventeen (17) known UST's on site, following the aforementioned regulations, ASR retained Tridon Industries Inc. to perform a "Closure In Place." In order to do so, Tridon Industries used the Polymaster R 501 product, a foam that can be used to fill tanks and seal them. The foam is a solid inert material. According to Polymaster, the foam is made from aminoplast, tri-polymer, kiln-dried resin and it retains less moisture than similar products. A Tridon flyer on tank closure can be viewed as Appendix E. In addition, Polymaster provided the following information on their product.

Thermal R-Values

Standard 105 lb.density 12" CMU wall – R-20.1 based on ASTM C-236

Standard 105 lb.density 8" CMU wall – R-11.01 based on ASTM C-236

Acoustical Values

45-50 dB loss – ASTM E413-73

Flame Classification

Class I

Water Resistance

Perms per inch: 6.631

Surface Absorption: <1% by volume

Environmentally Green

Biodegradable

No CFC's

No ozone depleting off-gassing

No container disposal

Preparation of Tanks: Prior to the application of the Polymaster product, all of the tanks had to be cleaned of any remaining product inside. After the tanks were opened up, they were inspected by ASR personnel to determine their status. Any product discovered in the tanks was sampled. If there was no noticeable product, the tank was gauged for fumes using an Lumidor Impact Pro atmospheric monitor (Serial # ZEL0500471, Configured Feb. 2006). Next the tanks were vented for fumes and gauged again after twenty and thirty minutes. After the environment inside the tank was deemed safe, ASR personnel entered the tanks to clean any stains and remaining product. Please see Appendix F- Confined Space Entry Permits.

ASR utilized the services of Fenley & Nicol Environmental and Milro Environmental Associates when significant product was present. In June of 2006, Fenley & Nicol personnel advanced a Vacuum truck on site to pump out the first round of tanks. 2810 gallons and 1737 gallons of Fuel Oil Mixture were removed from the tank bottoms. On June 29, 2006 Milro removed 400 gallons of waste oil and sludge from a tanks. On July 12, 2006, Milro returned to the site and drew 500 gallons Tank # 17 and one other tank. All tank bottoms were put into 55 gallon DOT ring top drums to be properly disposed of.

The next step in the preparation of the tanks, was to manually clean out of the tanks utilizing Confined Space Entry Certified personnel to do so. Certified personnel from Advanced Site Restoration and Fenley & Nicol entered the tanks via tripod and harness. After being lowered into the tanks, the personnel used squeegees and brushes to clean the upper area of the tank down to the bottom. Product was collected from the bottom of the tanks and removed. All product removed was stored in 55 gallon, DOT Ring Top Drums. Any residual contamination was collected with absorption pads. This procedure was used as a protocol for all of the tanks at the subject site. Please see Appendix A, Figure 6 –Photographs to view the tripod and harness as well as cleaned tanks.

Disposal Manifests may be viewed as Apppendix B.

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No visual signs of leaking or damaged tanks were observed by personnel inside the tanks.

Tank Fill: After proper cleaning and disposal of tank bottoms, each tank was filled with the Polymaster product. The following table displays the amount of Polymaster Foam applied to each tank. In addition, the estimated volume was calculated based on the multiple of 60 given by Tridon Industries. The estimated volume is at or near the sizes listed in Table 1.

Table 2

TANK #	FOAM APPLIED (GAL)	Estimated Volume (GAL)
1	200	12,000
2	200	12,000
3	25	1,500
4	25	1,500
5	25	1,500
6	116.5	7,000
7	116.5	7,000
8	200	12,000
9	166	10,000
10	75	4,500
11	75	4,500
12	66.5	4,000
13	66.5	4,000
14	200	12,000
15	133	8,000
16	200	12,000
17	100	6,000

8.0 Site Investigation & Sampling Results

In order to determine the extent of which historical use has impacted the environmental quality of the site, ASR retained Longshore Environmental Inc. to advance a geo-probe throughout the subject site. Soil samples were taken around groundwater interface and stored in 4 oz and 8 oz jars. All samples were submitted to York Analytical Laboratories Inc. for analysis. The analytical protocol was to test samples for the presence of contaminants using EPA Methods 8260 and 8270 BN. Given the historic use of the subject site, the suspected contamination was that of oil and plasticizers. These types of contaminants fall under those the 8270 BN sampling method, The analytical results would later confirm the detection of the types of contaminants that were believed to be on site.

As seen in Table 2, Sampling Results Summary, Phthalates (plasticizers) were detected throughout the site as suspected. In fact, Phthalates make up the overwhelming majority of contaminants detected on site. Specifically, Bis (2-ethylhexyl) phthalate and Di-n-octylphthalate were detected at concentrations below and above their applicable NYSDEC TAGM 4046, Allowable Soil Concentrations throughout the site. Napthalene was also detected throughout the site in excess of the "NYSDEC TAGM 4046, Allowable Soil Concentrations".

Analysis of samples taken at groundwater interface beside the oil tanks indicated the presence of Anthracene, Benzo (a) anthracene, Benzo (a) pyrene, Benzo (b) fluoranthene, Benzo (k) fluoranthene, Chyresene, Phenanthrene and Isophorone. These compounds are common constituents of oil. Very few Volatile Organic Compounds were detected on site as seen in Table 3.

The laboratory analytical results from the subject site were able to give the consultants at Advanced Site Restoration a good idea of the extent of the contamination. Given the results, various "zones" if you will, can be observed. The determination of these zones is important when devising a plan for further on and off site delineation (Please see Recommendations, in Section 10.) Generally, the Phthalates on site appear in high concentrations around groundwater interface on the northwest section of the building. The highest concentrations of Phthalates were detected in SB-6. It appears that these Phthalates are below a shallow area of soil where some elevated levels of VOC's were detected. The highest concentrations of SVOC's were detected in SB-39 next to Tank #15 and Tank #17. The highest concentrations of VOC's were detected in SB-14, next to Tank #2 and Tank #3.

Table 3 Sampling Results Summary

Soil Boring	Total VOC	Total SVOC	Total Phthalates
1 (1'-5')	ND	ND	ND
1 (5'-10')	ND	ND	ND
2 (1'-5')	ND	ND	ND
2 (10'12')	1700	ND	ND
3 (1'-5')	ND	ND	ND
3 (5'-10')	ND	190	190
4 (1'-5')	25	52,700	ND
4 (13'-15')	ND	340,000	340,000
5 (1'-5')	17	38,500	ND
5 (10'12')	657	510,000	510,000
6 (1'-5')	228	20,340	ND
6 (14'-16')	ND	12,000,000	12,000,000
7 (1'-5')	17	35,510	
7 (11'-13')	ND	6,800	6,800
8	ND	280	280
9	ND	170	170
10	ND	ND	ND
11	ND	260	260
12	ND	ND	ND
13	ND	370	370
14	40,500	32,900	0
15	ND	ND	ND
16	ND	300	300
17	ND	4,580	ND
18	ND	ND	ND
19	ND	ND	ND
20	ND	ND	ND
21	ND	ND	ND
23	ND	2,200	380
24	ND	30,000	30,000
32	ND	1,500	,1500
34	217	651,000	651,000
36	ND	1,200	1,200
37	ND	108,300	108,300

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38a	ND	3,500	3,500
38b	ND	1,000	1,000
39	2,470	238,200	ND
44	493	20,000,000	20,000,000
46	ND	670	340
48	ND	4800	4800
49	ND	1,250	550
50	ND	4,920	4,700
51	ND	45,000	45,000
52	ND	11,490	3,860
56	ND	ND	ND
57	ND	58,800	58,800
58	ND	320	320
59	ND	ND	ND

In addition to sampling the geo probe soil borings, ASR also took samples from inside some of the UST's. The purpose of this sampling was to determine the chemical constituents of product in the tanks. Analysis of a water sample from inside Tank #3 indicated the detection of Benzene and Napthalene at 22ppb and 76 ppb respectively. Analysis of a water sample from inside Tank #4 indicated no detection of any contaminants according to EPA Method's 8260 and 8270 BN. In Tank #5, 65,000 ppb of Toluene was detected. Tank # 12 was sampled for a fingerprint ID. The laboratory results state that "no oil pattern was present"

On June 26, 2006 ASR personnel drew a sample of product from inside of Tank #17. The sample was submitted to York Analytical Laboratories Inc. to identify the constituents of the product. The results of this analysis matched what was found throughout the site. Bis (2-ethylhexyl) phthalate and Di-n-octylphthalate were detected 2,800,000 ppb and 2,700,000 ppb respectively. In addition, 2-Methylnapthalene and Napthalene were detected at 820,000 ppb and 200,000 ppb respectively.

9.0 Waste Disposal

All waste was properly disposed of by the applicable regulations.

Tank Bottoms: The waste at the bottom of the UST's labeled "Fuel Oil Mixture" was taken off site by Fenley & Nicol Environmental Inc. to their facility at:

Fenley & Nicol Environmental
445 Brook Ave
Deer Park, N.Y. 11729

The waste at the bottom of the UST's labeled "Waste Oil and Sludges" was taken off site by Milro Associates to:

NY Oil Recovery
94 Hausman St,
Brooklyn, N.Y. 11222

Trenches: The waste from the bottom of the trenches was cleaned out and stored in DOT Ring Top drums on site. A total of 66 drums were generated.

Soil Disposal: All soil was stored in DOT Ring Top drums on site. All drums were labeled with their contents for future disposal.

All available disposal manifests can be seen as Appendix B.

10.0 Summary & Conclusions

On behalf of, 49 Dupont Realty Corporation has prepared this Underground Storage Tank Closure Report to present the documentation of the UST Closure in Place.

Sampling & Analysis-Throughout June of 2006, ASR advanced roughly forty one (41) geo probe soil borings at the subject site. Soil samples were taken at groundwater interface, and submitted to a certified laboratory for analysis using EPA Methods 8260 and 8270 BN.

UST Documentation & Closure- Using all available resources, ASR compiled a list of the UST's on site, (See Table 1.) ASR prepared the tanks for filling using confined space-certified personnel. On June 20-21, 2006 and July 3 and July 17, 2006, ASR retained Tridon Industries to fill all of the UST's on site using the Polymaster R 501 product, a foam that can be used to fill tanks and seal them.

10.1 Recommendations

Based on the results of the tank closure and the preliminary site investigation ASR recommends the following:

- Install groundwater monitoring wells on site and off site as needed based on the delineation of the plumes(s) on site. See Appendix A- Figure 3. Proposed Monitoring Well Location Map.
- Survey the site to develop a Groundwater Gradient Map.
- Start a sampling and monitoring program both on and off site.
- Evaluate program to determine any clean zones, hot zones, and movement of product. Based on the evaluation, further delineation may be required.
- Based on the delineation study a Remedial Action Plan (RAP) will be developed and submitted to the NYSDEC for approval.

TOPO! map printed on 06/13/06 from "Northeast.tpo" and "Untitled.tpg"

73°59.000' W

73°58.000' W

73°57.000' W

WGS84 73°56.000' W

40°45.000' N

40°45.000' N

40°44.000' N

40°44.000' N

40°43.000' N

40°43.000' N



73°59.000' W

73°58.000' W

73°57.000' W

WGS84 73°56.000' W



Map created with TOPO!® ©2002 National Geographic (www.nationalgeographic.com/topo)



Box St

Commercial St

49 Dupont St, Brooklyn, NY 11222

Eagle St

© 2006 Navteq
© 2006 Europa Technologies

Image © 2006 Sanborn

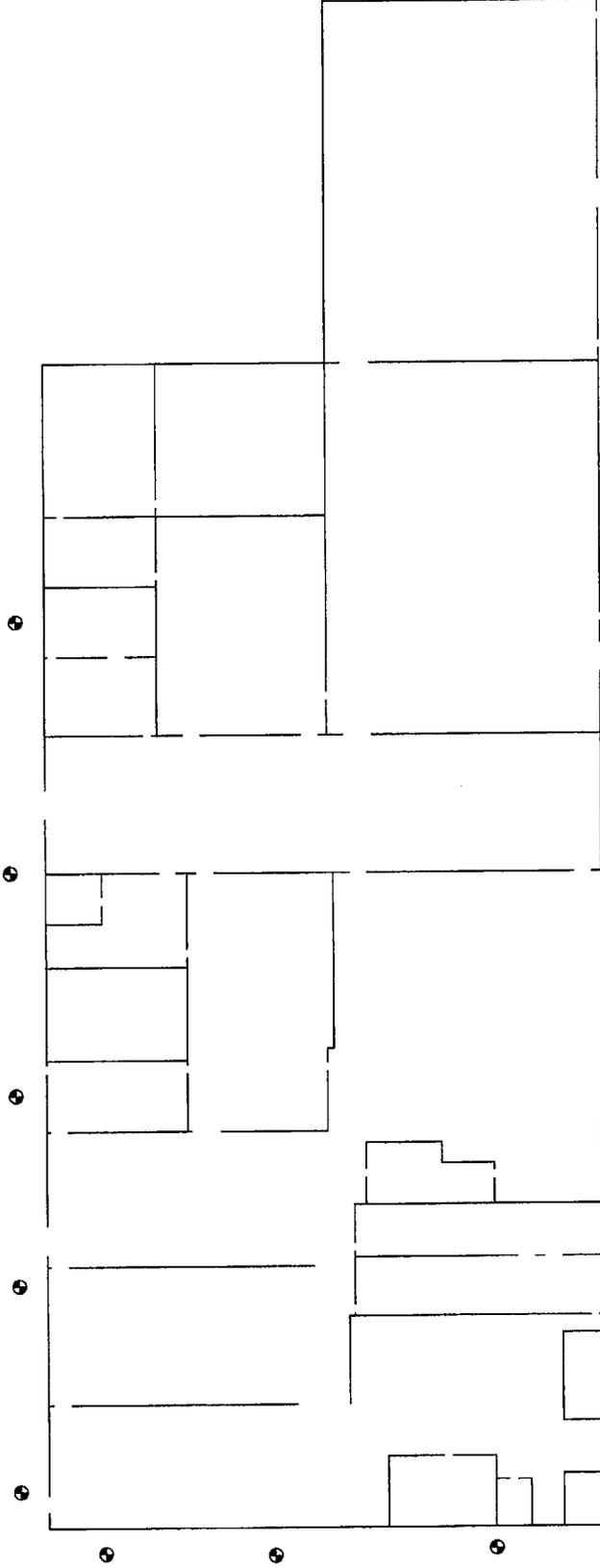
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Streaming 100%

Eye alt 1214m



CLAY STREET



Du PONT STREET



North

Not to Scale

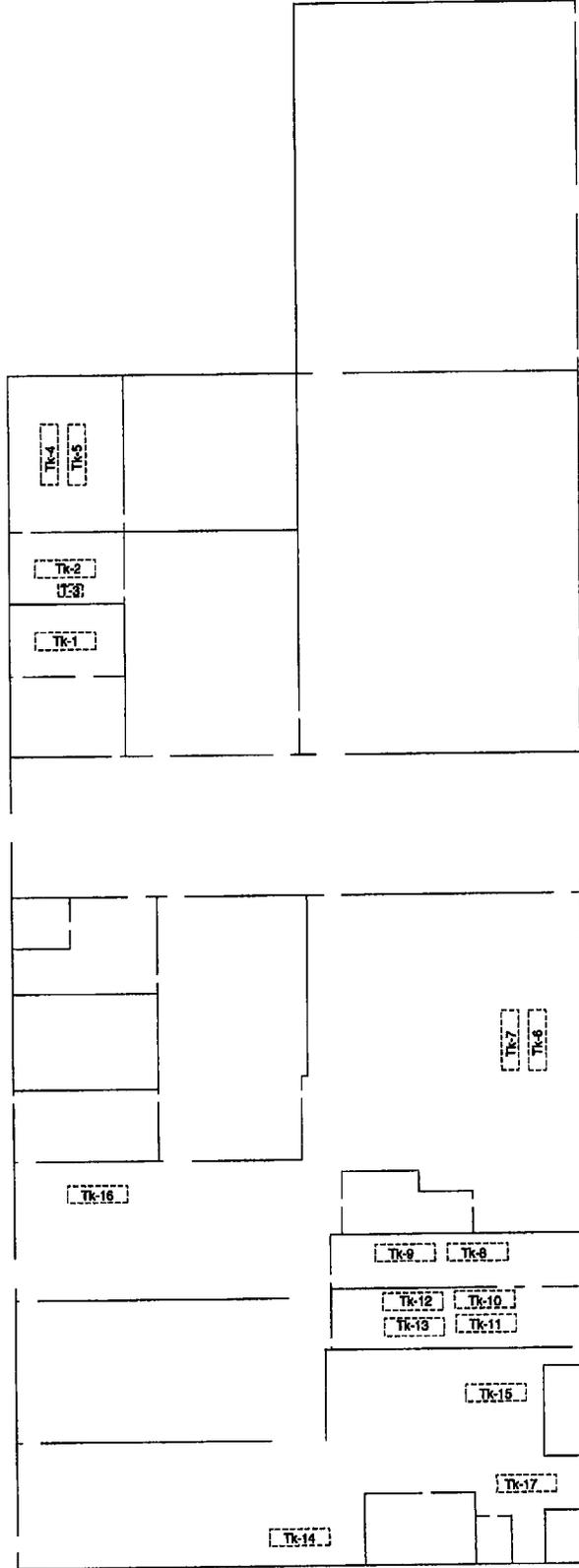
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Figure - 3
Site Map with Proposed Well Locations
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SWM

NuHart & Company, Inc.
49 - 55 Dupont Street
Brooklyn, New York

CLAY STREET



Du PONT STREET



North

Not to Scale

NuHart & Company, Inc.
49 - 55 Dupont Street
Brooklyn, New York

Figure - 4
UST Location Map

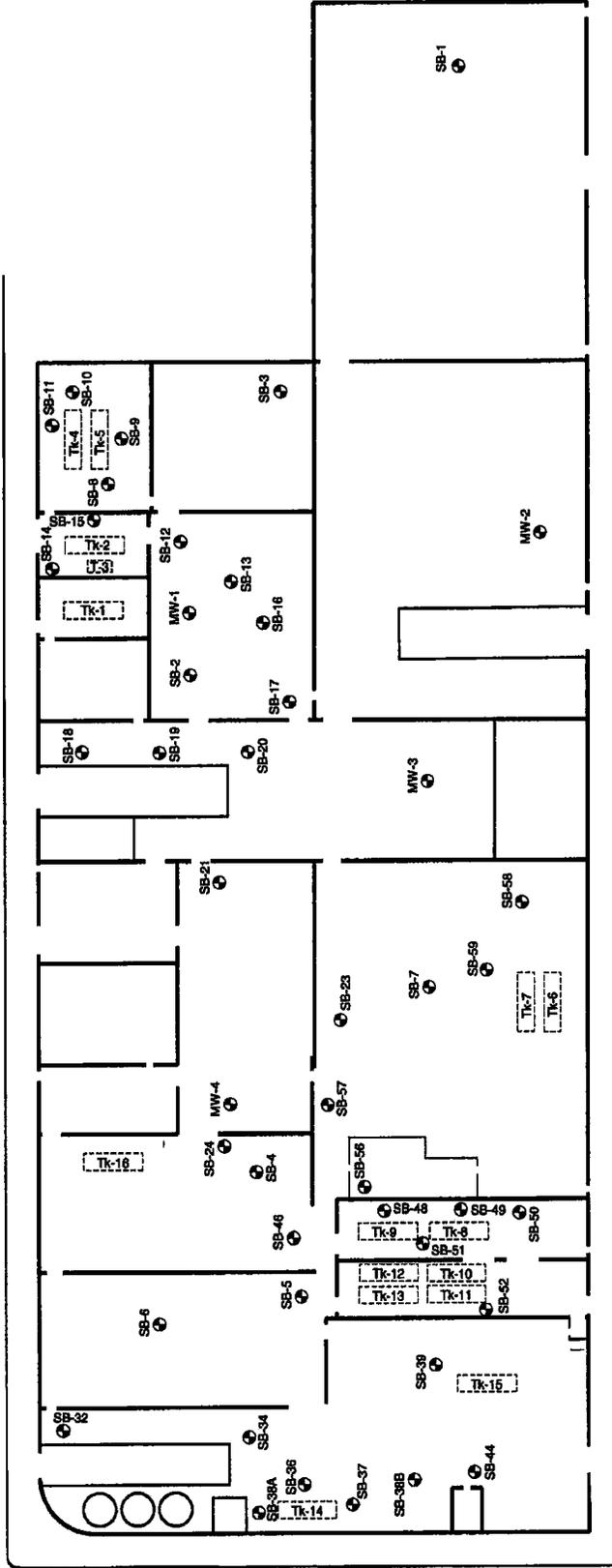
Rev. 06/20/06

SWM

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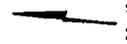
62 William St., 3rd Floor, New York, NY 10005
Tel: 212-809-1110 Fax: 212-809-1779 info@askasr.com

CLAY STREET



FRANKLIN AVENUE

Du PONT STREET



North

Not to Scale

MW-2 Location of Groundwater Monitoring Well
 SB-22 Location of Geoprobe Soil Boring



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 Environmental Services

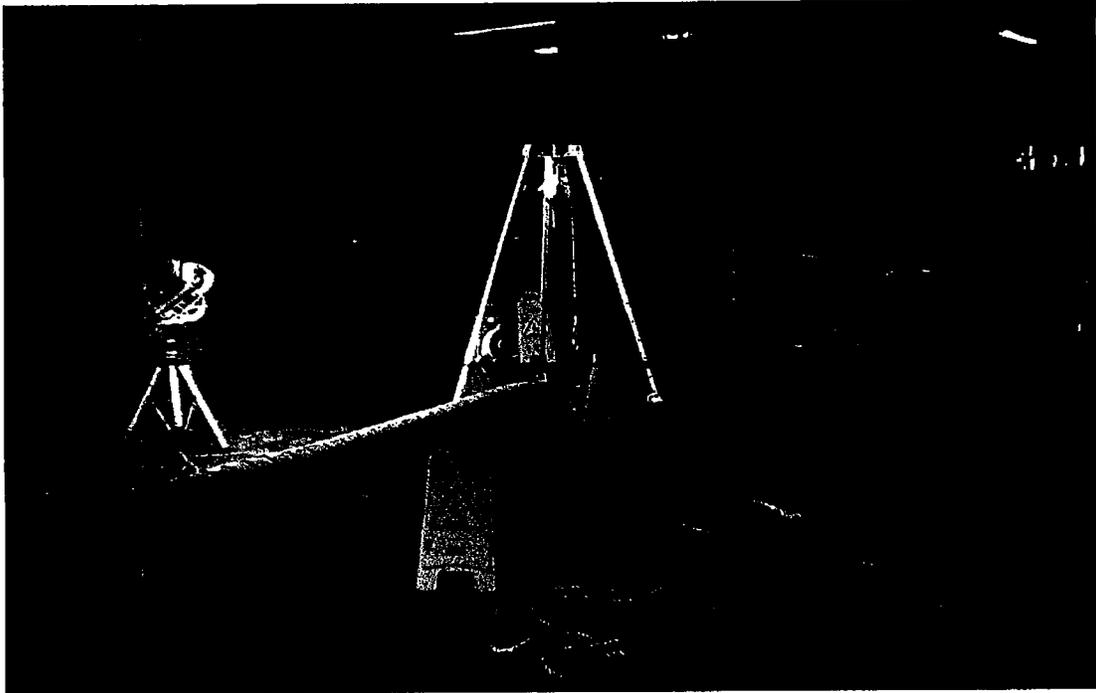
62 William St., 3rd Floor, New York, NY 10005
 Tel: 212-809-1110 Fax: 212-809-1779 info@askasr.com

Figure - 5
 Boring Location Map

SWM

Rev: 06/20/06
05/11/06

NuHart & Company, Inc.
 49 - 55 Dupont Street
 Brooklyn, New York



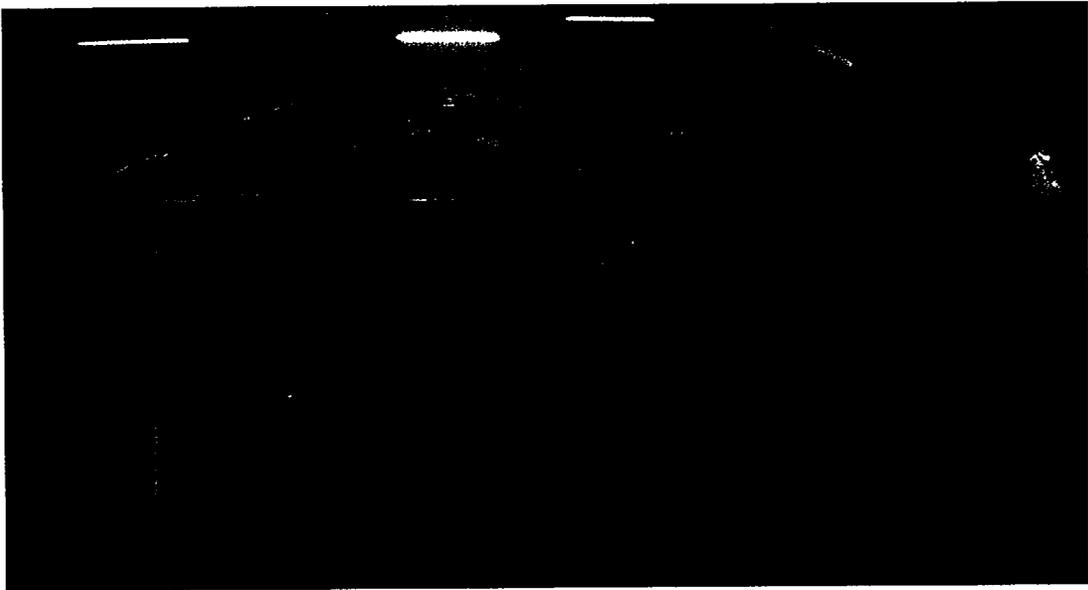
Tank #8 with confined space entry set up



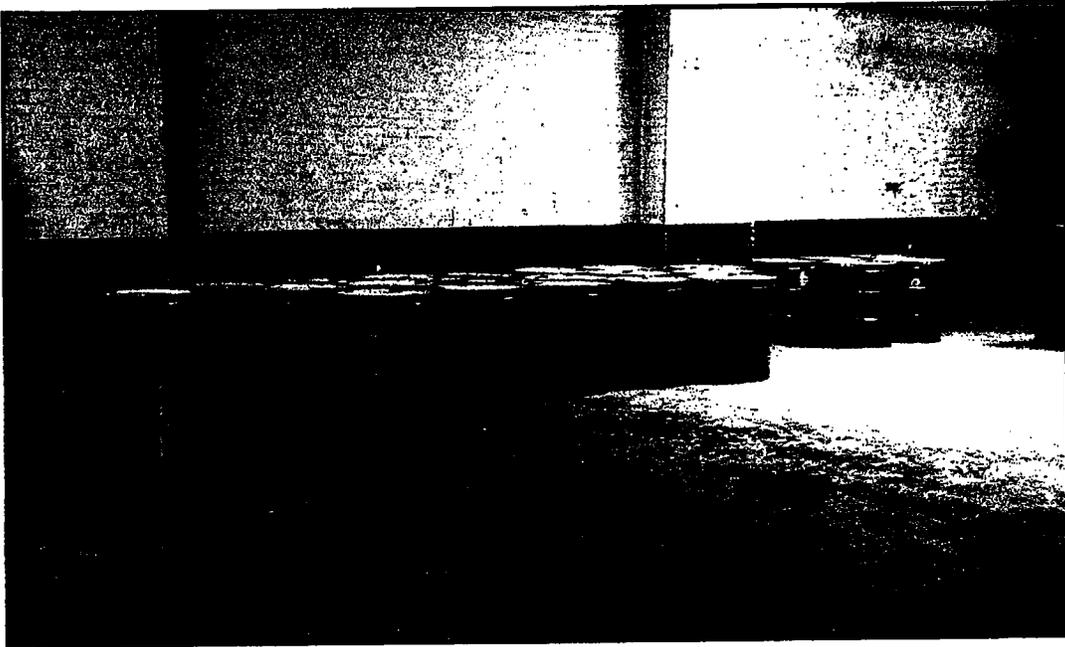
ASR personnel being lowered into pit with harness



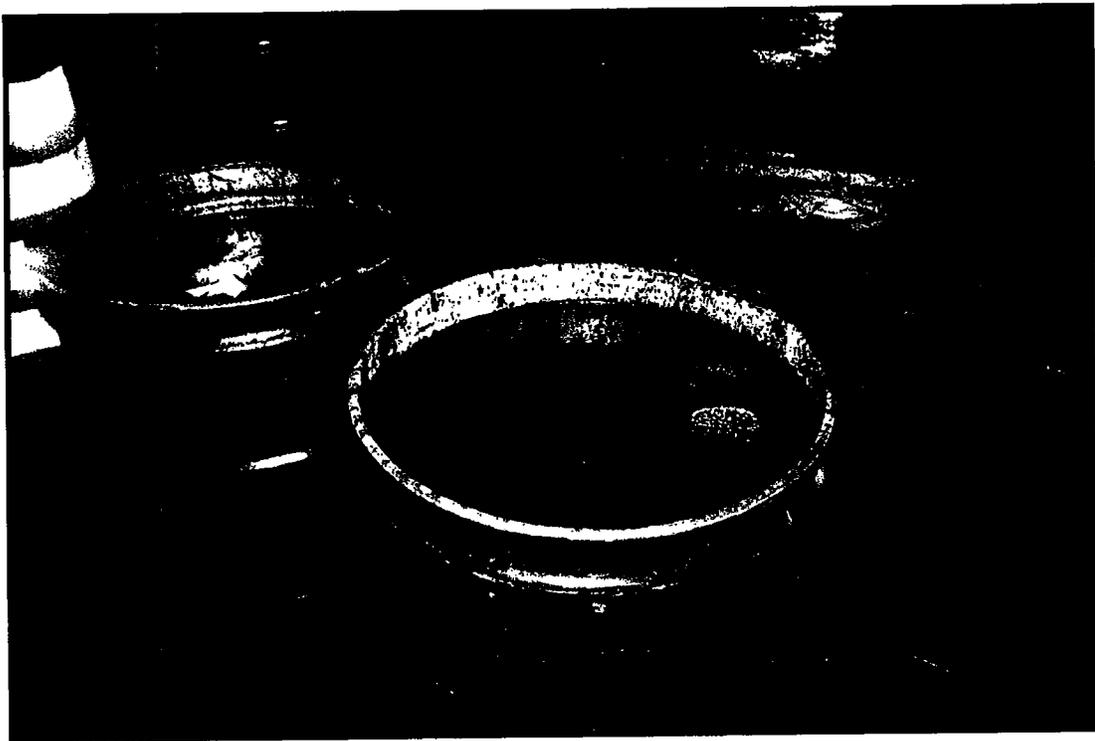
The condition of the trenches prior to cleaning



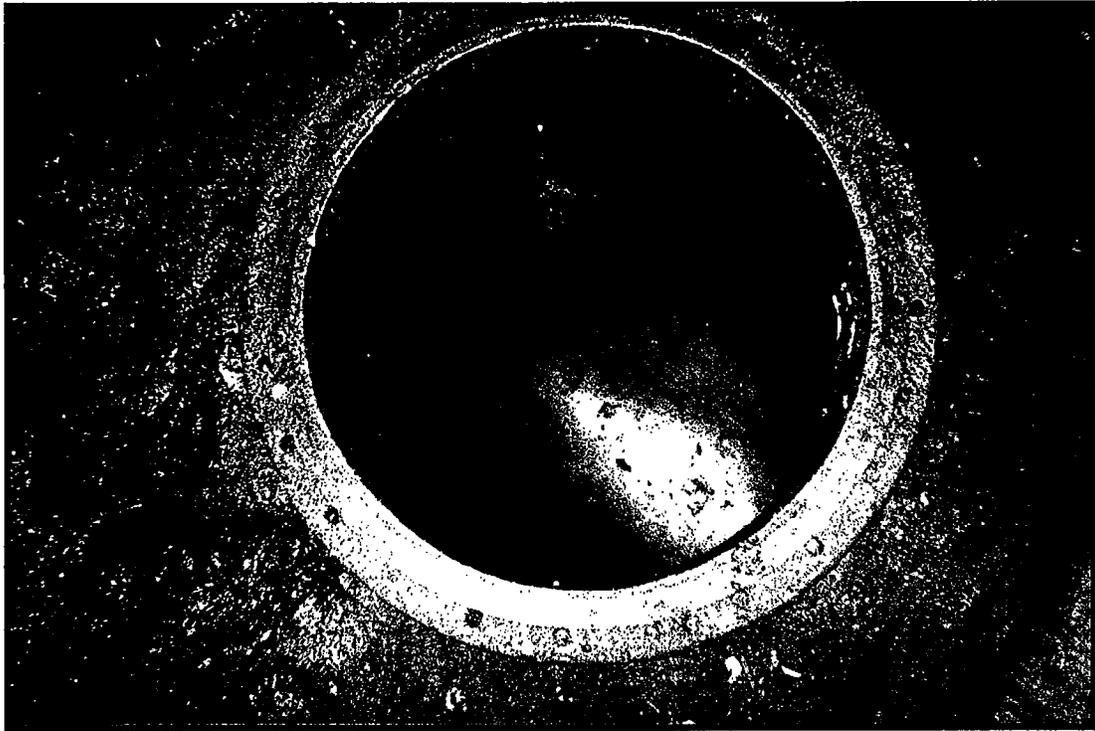
Typical trench seen throughout the site



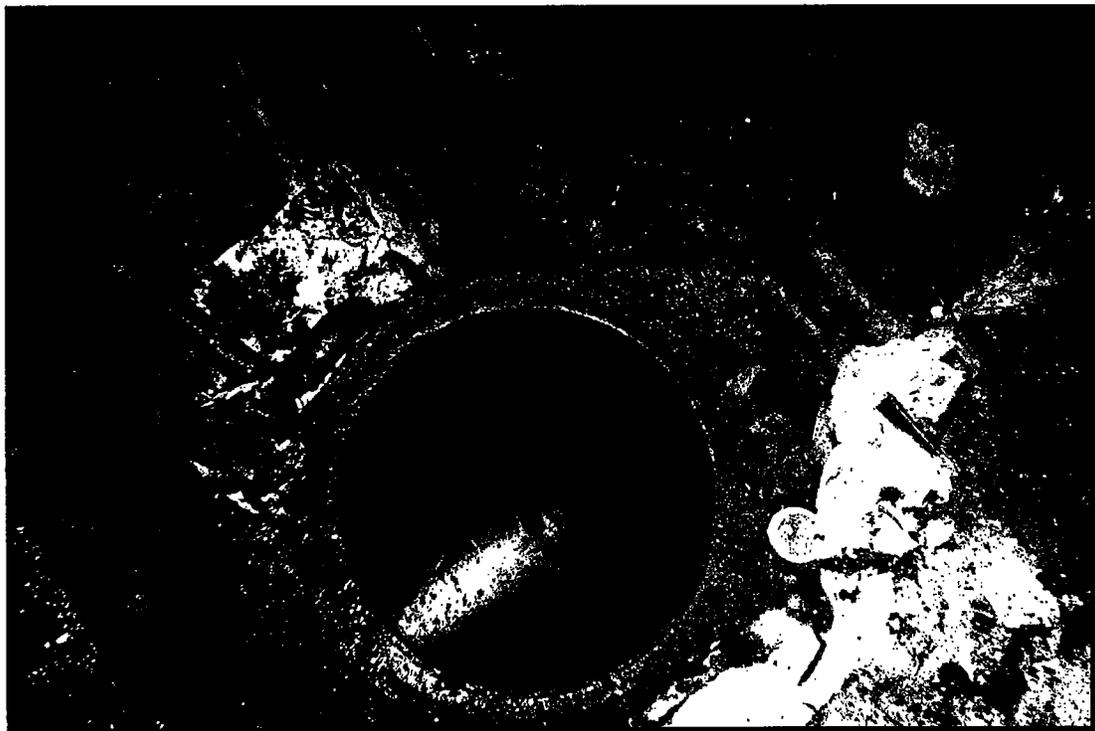
Storage of 55 gallon drums on site



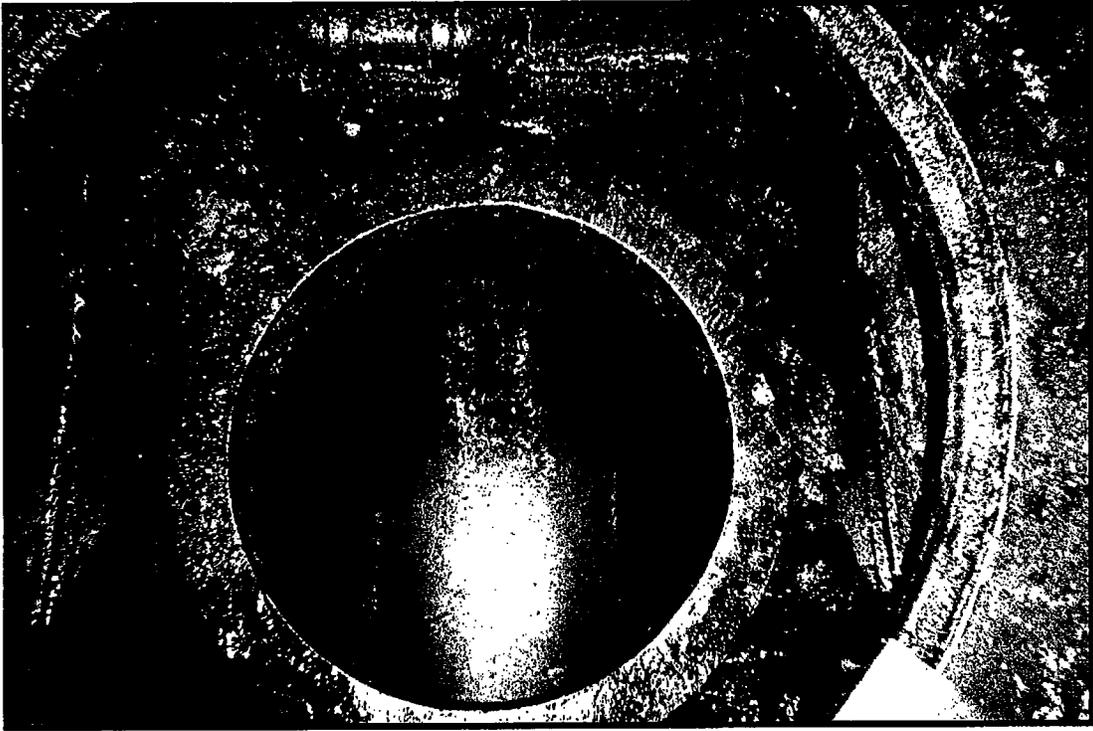
Drums filled with oil from tanks



Tank after cleaning



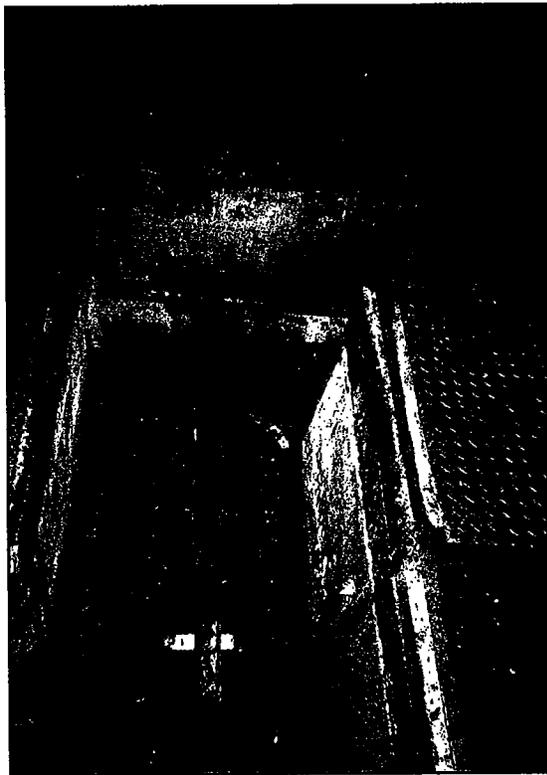
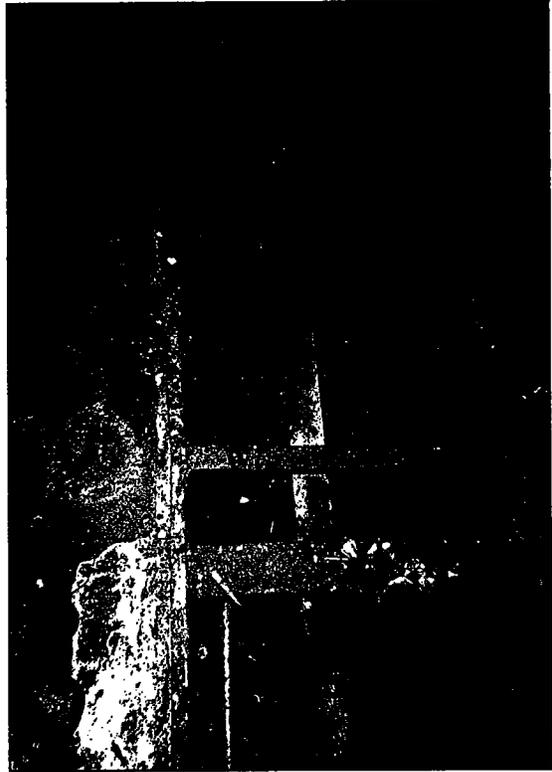
Tank after cleaning



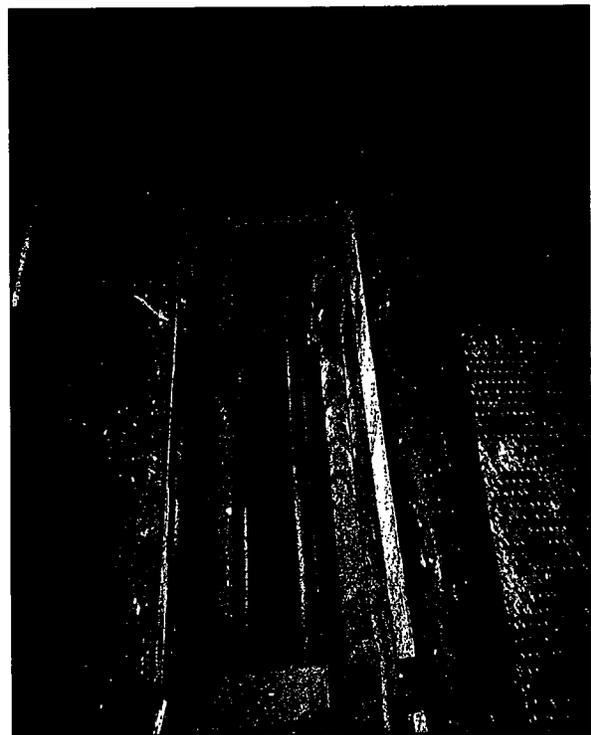
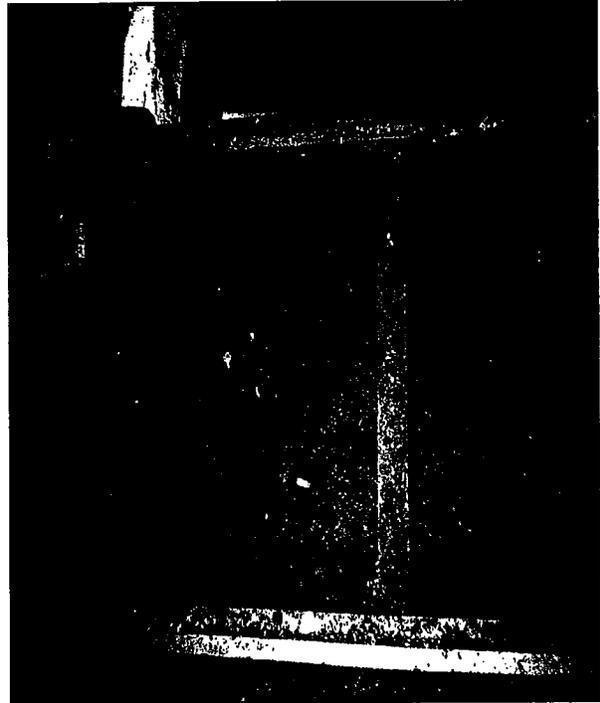
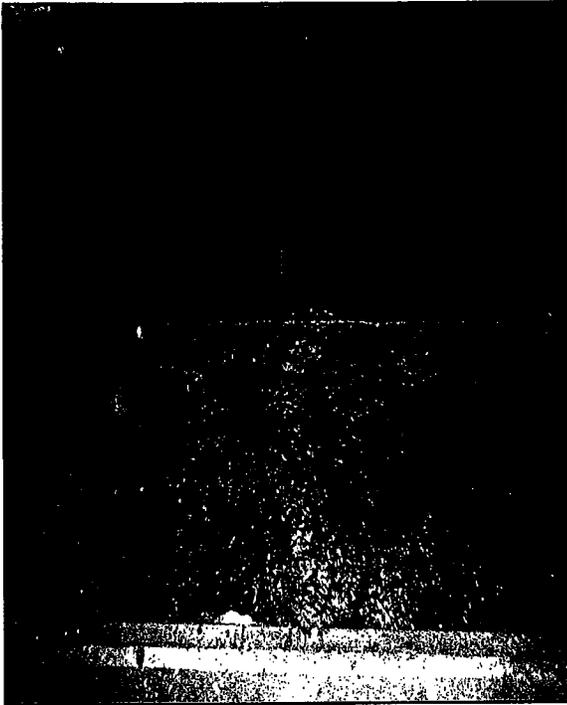
Tank after cleaning



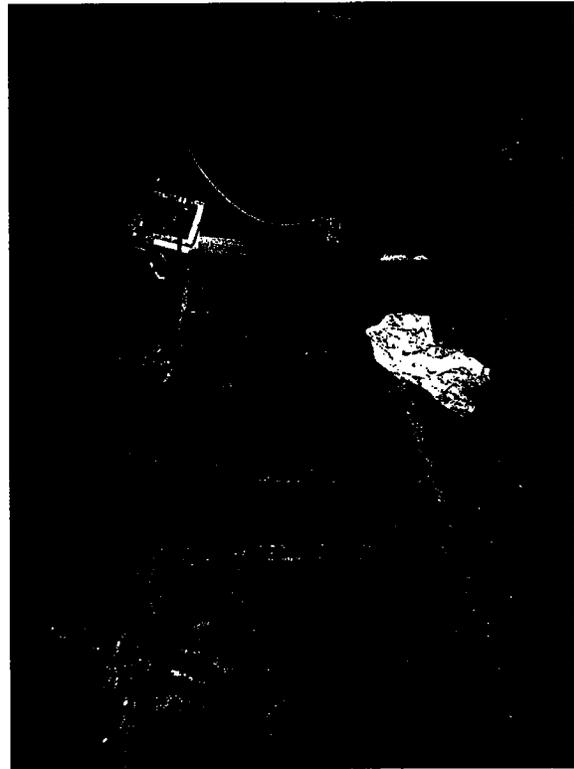
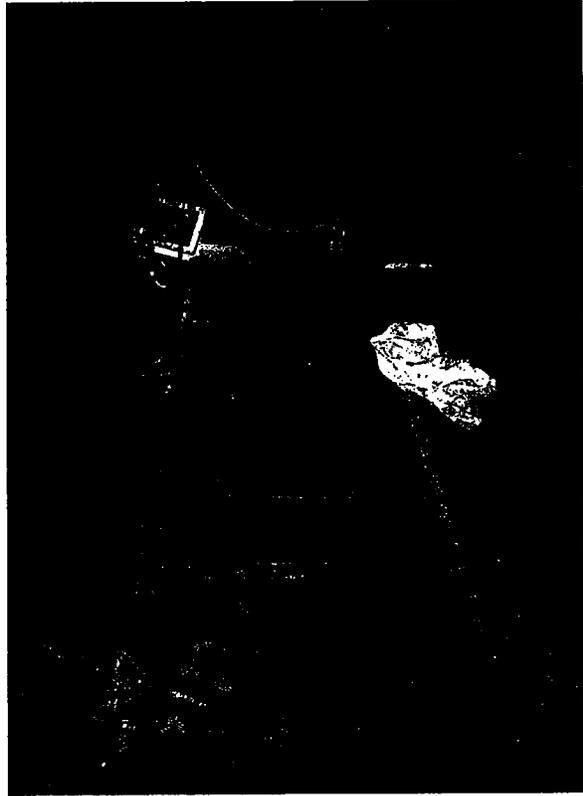
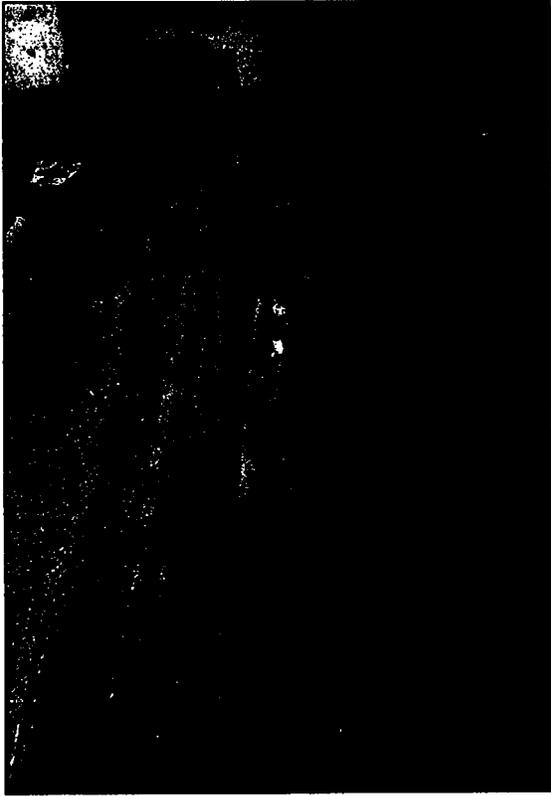
Tank after cleaning



Trenches prior to cleaning



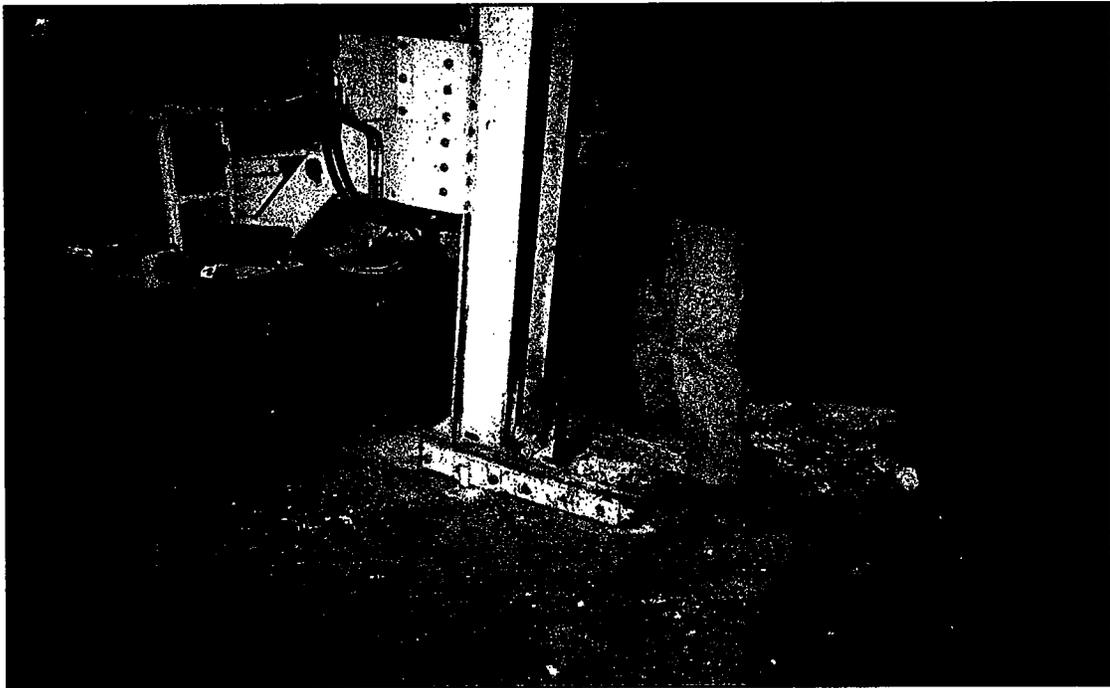
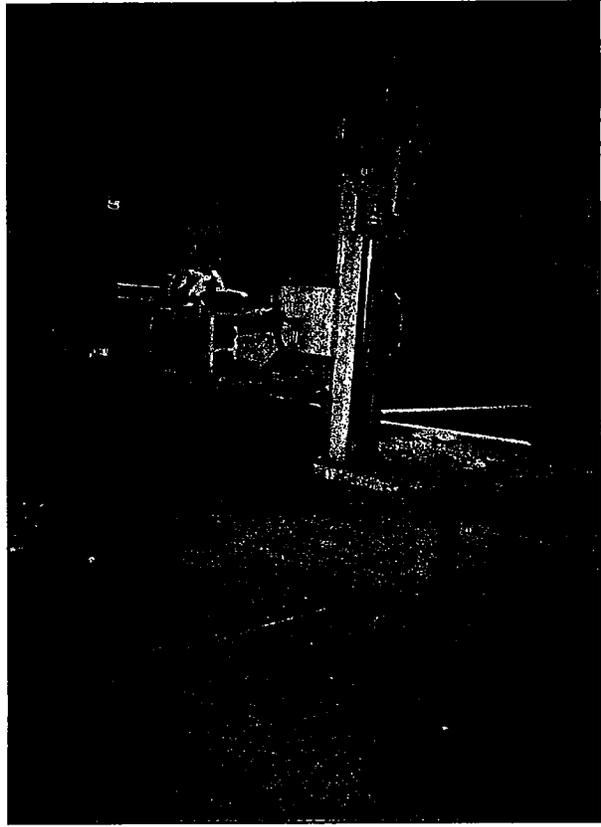
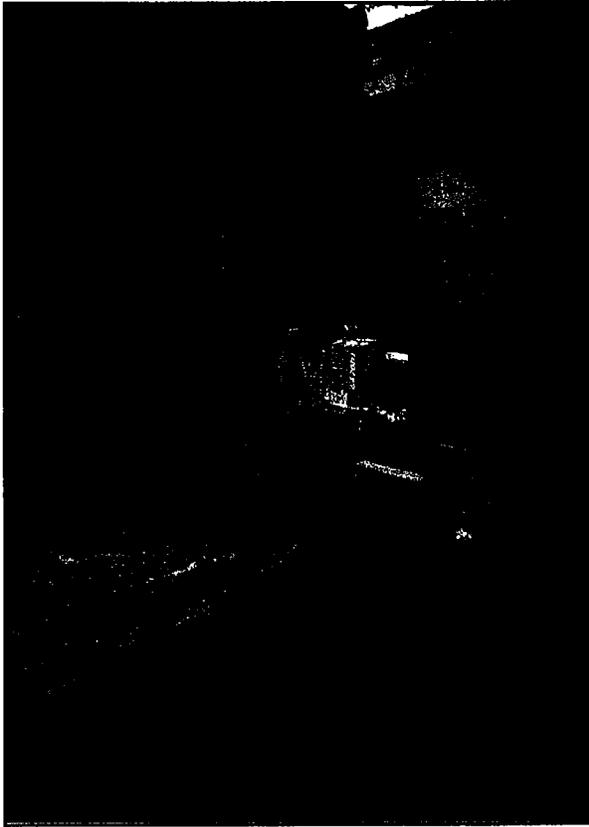
Trenches prior to cleaning



Trenches being scraped, lanced, and washed



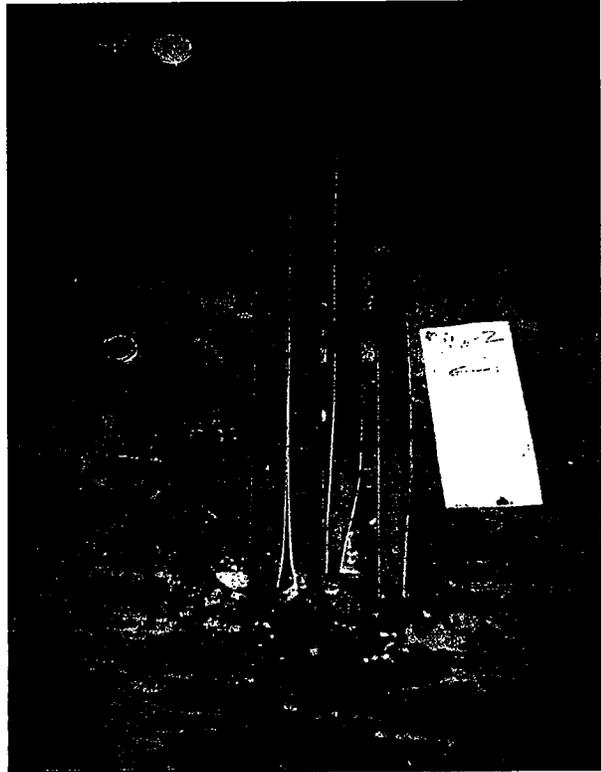
Trenches free of oil products and debris



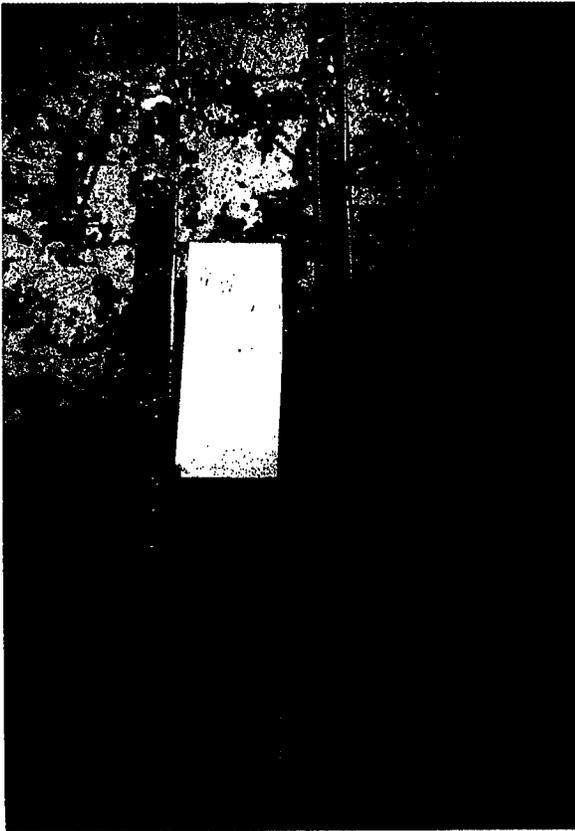
Fenley & Nicol on site with Geo-probe



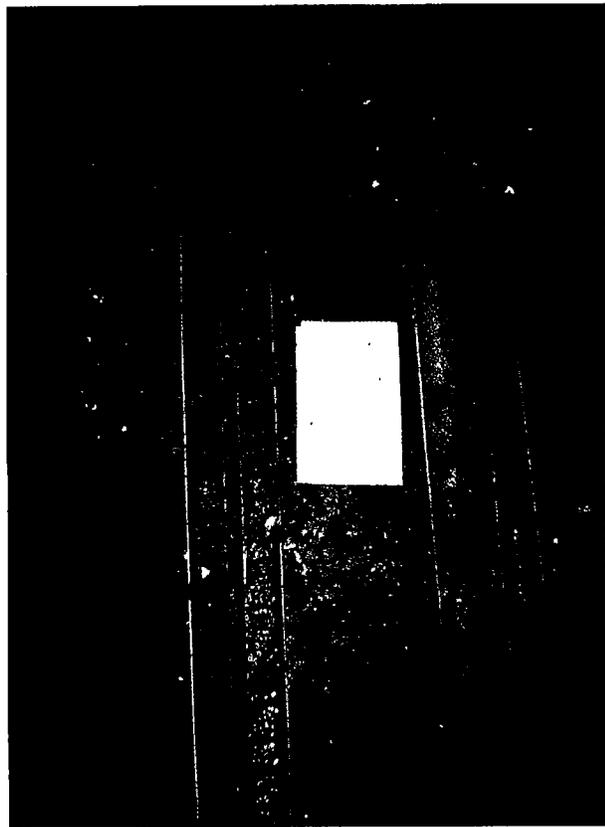
MW-1



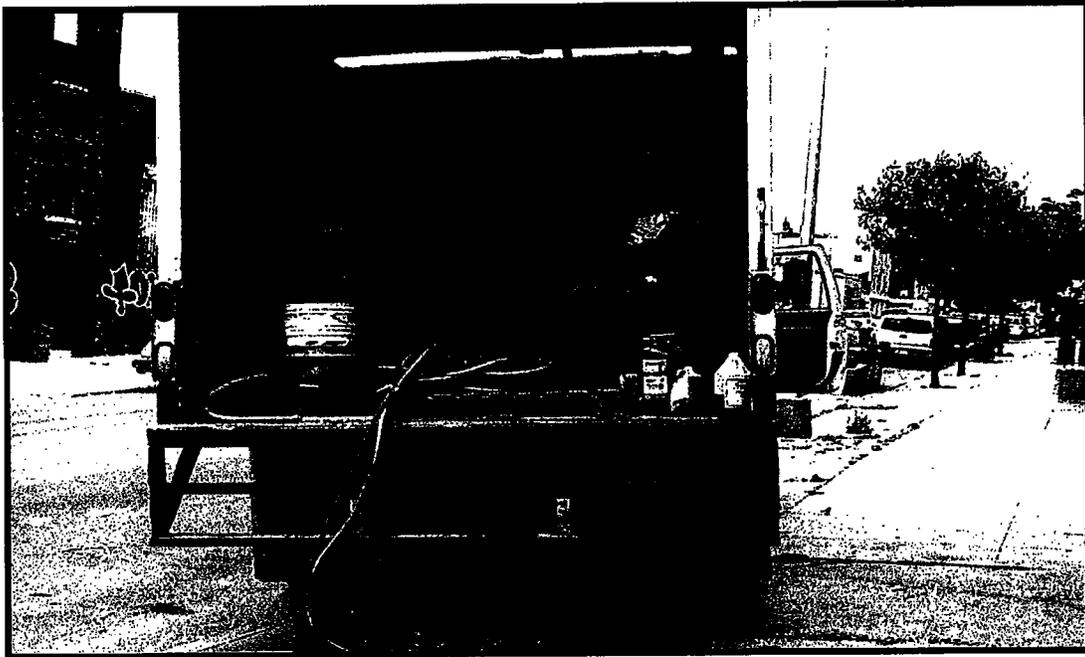
MW-2



MW-3



MW-4



Tridon Industries Truck used to mix foam products



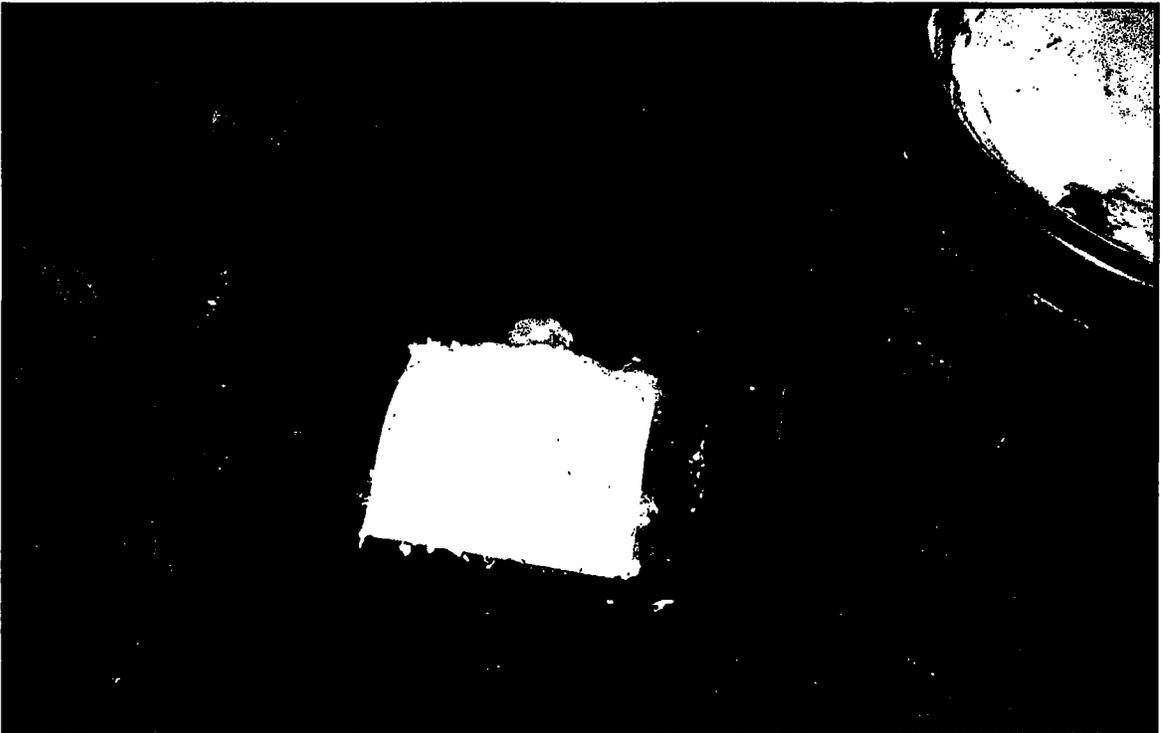
Tank being filled with the foam product



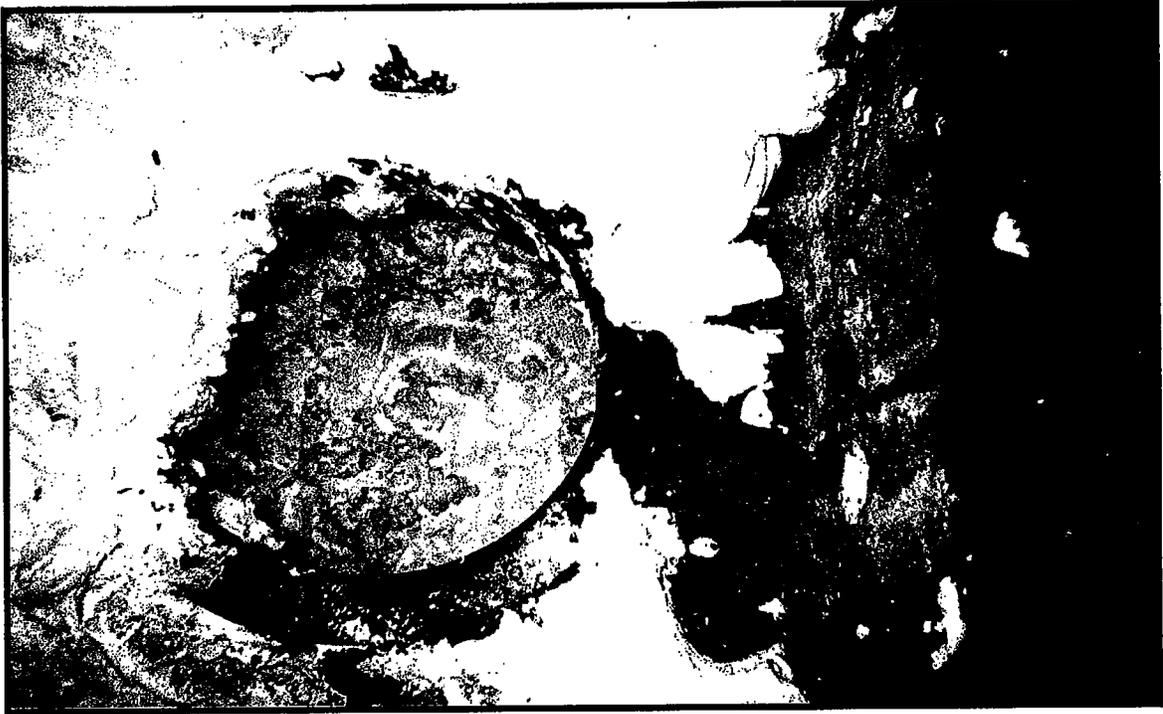
Tridon Industries Foam Application



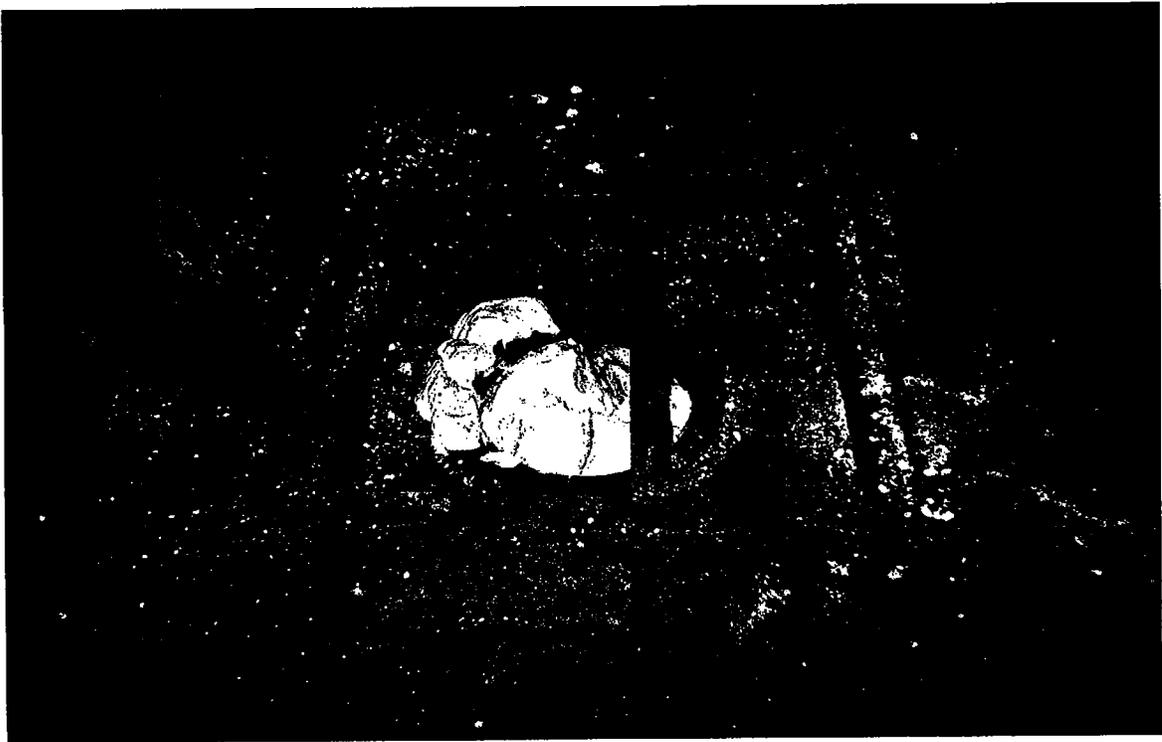
Tank filled with the foam product



Tank filled with the foam product



Tank filled with the foam product



Tank filled with the foam product

Appendix B

Disposal Manifests

FENLEY & NICOL ENVIRONMENTAL INC.
NON-HAZARDOUS / NON-REGULATED WASTE MANIFEST

PLEASE TYPE OR PRINT CLEARLY

JOB # 0609864

DATE 6/21/06

MANIFEST # No. 16970

1. GENERATOR OF WASTE

NAME A.S.R.
 ADDRESS 45 DUPONT ST
 PHONE NUMBER _____
 SITE LOCATION BROOK NY

2. IDENTIFICATION OF WASTE

PROPER U.S. D.O.T. SHIPPING NAME	STATE CODE	CONTAINER TYPE	QTY. GALLONS
FUEL OIL MIXTURE 3 NA1993 PG-115	NO 18	TT	2810
Spill # (if applicable)	ERG # 128		

3. GENERATOR'S CLASSIFICATION

This is to certify that the herein named materials are properly described, classified and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, Environmental Protection Administration and Local State regulations. The wastes are described herein were consigned to the transporter named. The TSD Facility can and will accept the shipment of waste, and has a valid permit to do so. I certify that the foregoing is true and correct to the best of my knowledge.

GENERATOR'S CONTACT SUPERVISOR [Signature] please print or type

SUPERVISOR'S SIGNATURE [Signature] TITLE _____

4. TRANSPORTER NAME AND ADDRESS (#1)

NAME FENLEY & NICOL ENVIRONMENTAL INC.
 ADDRESS 445 BROOK AVENUE, DEER PARK, NY 11729
 PHONE NUMBER 24 Hour Emergency# (516) 586-4900
 DRIVER'S NAME MIKE BACC SIGNATURE [Signature]
 INDUSTRIAL WASTE HAULER PERMIT # 1A-036 VEHICLE PLATE # 9570-JC

(#2)

NAME _____
 ADDRESS _____
 PHONE NUMBER _____
 DRIVER'S NAME _____ SIGNATURE _____
 INDUSTRIAL WASTE HAULER PERMIT # _____ VEHICLE PLATE # _____

5. DISPOSAL SITE (Must be filled in by disposal site)

NAME OF FACILITY _____
 ADDRESS OF FACILITY _____
 PHONE NUMBER _____

This load was received as stated by generator YES NO

DISPOSAL SITE IDENTIFICATION NUMBER (if applicable) _____

DISPOSAL SITE INSPECTOR NAME _____

SIGNATURE _____ DATE _____

FENLEY & NICOL ENVIRONMENTAL INC.
NON-HAZARDOUS / NON-REGULATED WASTE MANIFEST
 PLEASE TYPE OR PRINT CLEARLY

JOB # _____

DATE 8/28/06

MANIFEST # No. 17093

1. GENERATOR OF WASTE

NAME A.S.R.
 ADDRESS 85 DUPONT ST
 PHONE NUMBER _____
 SITE LOCATION BKLYN NY.

2. IDENTIFICATION OF WASTE

PROPER U.S. D.O.T. SHIPPING NAME	STATE CODE	CONTAINER TYPE	QTY. GALLONS
<u>FUEL OIL MIXTURE</u>	<u>NOV</u>	<u>TT</u>	<u>1737</u>
<u>3 NA1993 P-III</u>			
Spill # (if applicable)	ERG # <u>128</u>		

3. GENERATOR'S CLASSIFICATION

This is to certify that the herein named materials are properly described, classified and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, Environmental Protection Administration and Local State regulations. The wastes are described herein were consigned to the transporter named. The TSD Facility can and will accept the shipment of waste, and has a valid permit to do so. I certify that the foregoing is true and correct to the best of my knowledge.

GENERATOR'S CONTACT SUPERVISOR Anthony Adesso
 and/or (Authorized Agent) _____ please print or type
 SUPERVISOR'S SIGNATURE [Signature] TITLE _____

4. TRANSPORTER NAME AND ADDRESS (#1)

NAME FENLEY & NICOL ENVIRONMENTAL INC.
 ADDRESS 445 BROOK AVENUE, DEER PARK, NY 11729
 PHONE NUMBER 24 Hour Emergency# (516) 586-4900
 DRIVER'S NAME MIKE HALL SIGNATURE [Signature]
 INDUSTRIAL WASTE HAULER PERMIT # 1A-036 VEHICLE PLATE # 95160-3C

(#2)

NAME _____
 ADDRESS _____
 PHONE NUMBER _____
 DRIVER'S NAME _____ SIGNATURE _____
 INDUSTRIAL WASTE HAULER PERMIT # _____ VEHICLE PLATE # _____

5. DISPOSAL SITE (Must be filled in by disposal site)

NAME OF FACILITY _____
 ADDRESS OF FACILITY _____
 PHONE NUMBER _____
 This load was received as stated by generator YES NO
 DISPOSAL SITE IDENTIFICATION NUMBER (if applicable) _____
 DISPOSAL SITE INSPECTOR NAME _____
 SIGNATURE _____ DATE _____

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. <i>Exempt</i>	Manifest Document No.	2. Page 1 of
3. Generator's Name and Mailing Address <i>Harte + Company 4950 Dupont ST Brooklyn NY</i>		2 trucks (Bottoms) 1/2 plastic Containers		
4. Generator's Phone	5. Transporter 1 Company Name <i>Milio Associates</i>	6. US EPA ID Number <i>NYP 054-7432-63</i>	A. Transporter's Phone <i>516-379-1500</i>	
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone		
9. Designated Facility Name and Site Address <i>NY OIL Recovery 94th Street Brooklyn NY</i>	10. US EPA ID Number <i>Exempt</i>	C. Facility's Phone		
11. Waste Shipping Name and Description		12. Containers No.	13. Total Quantity	14. Unit W/Vol
a. <i>waste oil + sludges</i>			<i>00.1776.04006</i>	
b.				
c.				
d.				
D. Additional Descriptions for Materials Listed Above		E. Handling Codes for Wastes Listed Above		
15. Special Handling Instructions and Additional Information				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name <i>X E. VAZQUEZ</i>		Signature <i>X E. Vazquez</i>		Month Day Year
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature <i>[Signature]</i>		Month Day Year <i>6 29 00</i>
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Month Day Year
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.				
Printed/Typed Name <i>N.Y. OIL Recovery</i>		Signature <i>[Signature]</i>		Month Day Year <i>6 29 00</i>

GENERATOR

TRANSPORTER

FACILITY

ORIGINAL - RETURN TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Exempt

Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address

Harter & Co.
Dupont Ave
Brooklyn, NY

a) Tank # 17
b) situated as bestline

4. Generator's Phone ()

5. Transporter 1 Company Name

Milro Associates

6. US EPA ID Number

NY.D064743263

A. Transporter's Phone

576-579-1500

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

NY Oil Recovery
94 Housman St
Brooklyn, NY

10. US EPA ID Number

Exempt

C. Facility's Phone

11. Waste Shipping Name and Description

waste oil

waste oil + water emulsions

12. Containers No. Type

001 TR 00300 G

001 TR 00200 G

13. Total Quantity

14. Unit W/Vol

GENERATOR

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

E. VAZQUEZ

Signature

E. Vazquez

Month Day Year 7 12 06

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Todd Murray

Signature

Todd Murray

Month Day Year 7 12 06

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 18.

Printed/Typed Name

NY Oil Recovery

Signature

[Signature]

Month Day Year 07 12 06

GENERATOR

TRANSPORTER

FACILITY

Appendix C

Laboratory Analyticals